

### ABSTRACT

A satellite signal distribution system distributes signal blocks of two different received frequencies and polarities simultaneously over the same cable. The satellite system includes a satellite dish or antenna that receives signals. These received signals are transmitted to a block frequency converter that enables the different frequency polarity blocks to be distributed simultaneously via a single cable. The cable is coupled to a head-out receiver processor which distributes the signals to satellite receivers. The receivers are connected to TVs or other sources. This unique design and configuration provides for a system that will permit satellite broadcast signal distribution to high-rise buildings, hospitals, condominiums, schools, and the like.